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(71) Applicant

Kievsky Meditsinsky

Institut Imeni

Akademika A

A Bogomoltsa (USSR)

252004 Kiev

br Shevchenko d 13

USSR

(72) Inventors

Vladimir Vladislavovich

Gashinsky

Ivan Petrovich Bilko

Anatoly Mikhailovich

Sokolyuk

(74) Agent and/or Address for
Service

Mathisen Macara and Co

Lyon House

Lyon Road

Harrow

Middlesex HA1 2ET

(54) Polyacrylamide gel for medical and biological application and method of its preparation

(57) A polyacrylamide gel for medical and biological application contains polyacrylamide and physiological solution with the following ratio of components (in % by weight):

polyacrylamide	3.0-28.0
physiological solution	72.0-97.0

The method of preparation of the said polyacrylamide gel comprises polymerization of acrylamide together with methylene-bis-acrylamide and elution of the final product, both polymerization and elution be-

ing carried out in the medium of the physiological solution. The polyacrylamide gel can be used as a base of nutrient mediums for growing microorganisms, artificial crystalline lenses and elastic contact lenses.

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